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2 **CLAIMS:**

3 1. A multimedia-content resumption architecture comprising:

4 a centralized multimedia server comprising:

5 • one or more multimedia-content receivers configured to receive  
6 multimedia programs as part of one or more broadcast media  
7 transmissions;

8 • one or more storage units configured to store multimedia programs;

9 • a computing unit configured to generate and store one or more  
10 bookmarks associated with a particular multimedia content;

11 one or more multimedia presentations systems that are communicatively  
12 coupled to the server, a system comprising:

13 • a multimedia rendering unit configured to present multimedia programs  
14 and one or more user interfaces (UIs); and

15 • a computing unit configured to communicate with the server and further  
16 configured to generate a UI for presentation via the multimedia  
17 rendering unit.

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19 2. An architecture as recited in claim 1, wherein the storage unit of the  
20 server is further configured to store the multimedia program.

21  
22 3. An architecture as recited in claim 1, wherein the computing unit is  
23 further configured to generate and store at least two bookmarks associated with a  
24 particular multimedia content.  
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2           4.     A medium as recited in claim 1, wherein one or more broadcast  
3 media transmissions are selected from a group consisting of incoming live  
4 television broadcast, incoming live cable television signal, incoming live satellite  
5 signal, incoming live video-on-demand signal, and incoming live pay-per-view  
6 signal.

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2       5.     A processor-readable medium having processor-executable  
3 instructions that, when executed by a processor, performs a method comprising:

4       generating a “bookmark” at a point during a presentation of a multimedia  
5 program;

6       associating one or more properties with the bookmark, wherein such  
7 properties comprise more than just the identity of the multimedia content and point  
8 of bookmark within that presentation;

9       storing the bookmark with its one or more properties.  
10

11       6.     A medium as recited in claim 5, wherein the method further  
12 comprises storing multiple bookmarks for the multimedia program, wherein each  
13 bookmark has one or more properties associated therewith.  
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15       7.     A medium as recited in claim 5, wherein the method further  
16 comprises determining whether an action performed by a user is one which is  
17 designated to generate a bookmark and, if so, proceeding with generating,  
18 associating, and storing.  
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1           8.     A medium as recited in claim 5, wherein the method further  
2 comprises determining whether an action performed by a user is one which is  
3 designated to generate a bookmark while stored multimedia content is being  
4 presented and, if so, proceeding with generating, associating, and storing, wherein  
5 the action that is designated to generate a bookmark is selected from a group  
6 consisting of:

- 7           • selecting another source of multimedia content;
- 8           • viewing a list of other sources of multimedia content;
- 9           • manually pressing a “pause” key;
- 10          • manually pressing a “bookmark” key;
- 11          • manually pressing another pre-defined key or choosing a pre-defined  
12 option.

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14           9.     A medium as recited in claim 5, wherein the properties associated  
15 with the bookmark are selected from a group consisting of:

- 16          • locus of system where the presentation was bookmarked;
- 17          • identity of user who manually bookmarked the presentation;
- 18          • chronological time of the bookmark generating;
- 19          • chronological date of the bookmark generating;
- 20          • relative time during the presentation where the presentation was  
21 bookmarked.

1           **10.** A medium, as recited in claim 5, wherein the method further  
2 comprises receiving the multimedia program as part of a broadcast media  
3 transmission.

4  
5           **11.** A medium, as recited in claim 5, wherein the method further  
6 comprises receiving the multimedia program as part of a broadcast media  
7 transmission, wherein the broadcast media transmission is selected from a group  
8 consisting of incoming live television broadcast, incoming live cable television  
9 signal, incoming live satellite signal, incoming live video-on-demand signal, and  
10 incoming live pay-per-view signal.

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12           **12.** A medium as recited in claim 5, wherein the method further  
13 comprises:

14           receiving an indication of where to stream a resumption of the presentation  
15 of the multimedia program amongst a collection of multiple loci where the  
16 presentation may be resumed;

17           streaming a notification to the selected resumption locus.  
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19           **13.** A medium as recited in claim 5, wherein the method further  
20 comprises repeating the generating, associating, and storing for each of multiple  
21 bookmarks created for a particular multimedia program.

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23           **14.** A computing device comprising:

24           a digital video recorder (DVR) unit;

25           a medium as recited in claim 5.

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2       **15.** A processor-readable medium having processor-executable  
3 instructions that, when executed by a processor, performs a method comprising:

4           a means for generating a “bookmark” at a point during a presentation of a  
5 multimedia program;

6           a means for associating one or more properties with the bookmark, wherein  
7 such properties comprise more than just the identity of the multimedia content and  
8 point of bookmark within that presentation;

9           a means for storing the bookmark with its one or more properties  
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2       16.   A method comprising:

3       bookmarking one or more points within a multimedia program's  
4 presentation;

5       storing the one or more bookmarked points, with each bookmark having  
6 one or more properties associated therewith, wherein such properties comprise  
7 more than just the identity of the multimedia content and point of bookmark  
8 within that presentation.

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10       17.   A method as recited in claim 16, wherein the method further  
11 comprises determining whether an action performed by a user is one which is  
12 designated to generate a bookmark while stored multimedia content is being  
13 presented and, if so, proceeding with generating and storing; wherein the action  
14 that is designated to generate a bookmark is selected from a group consisting of

- 15       • selection of another source of multimedia content;  
16       • viewing a list of other sources of multimedia content;  
17       • manually pressing a "pause key";  
18       • manually pressing a "bookmark" key; and  
19       • manually pressing another pre-defined key or choosing a pre-defined  
20 option.
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2       **18.**    A method as recited in claim 16, wherein the properties associated  
3 with the bookmark are selected from a group consisting of:

- 4       • locus of system where the presentation was bookmarked;
- 5       • identity of user who manually bookmarked the presentation;
- 6       • chronological time of the bookmark generating;
- 7       • chronological date of the bookmark generating;
- 8       • relative time during the presentation where the presentation was  
9       bookmarked.

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11       **19.**    A method as recited in claim 16 further comprising receiving the  
12 multimedia program as part of a broadcast media transmission.

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14       **20.**    A method as recited in claim 16 further comprising receiving the  
15 multimedia program as part of a broadcast media transmission, wherein the  
16 broadcast media transmission is selected from a group consisting of incoming live  
17 television broadcast, incoming live cable television signal, incoming live satellite  
18 signal, incoming live video-on-demand signal, and incoming live pay-per-view  
19 signal.

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21       **21.**    A method as recited in claim 16 further comprising:  
22       receiving an indication of where to stream the presentation of the  
23 multimedia program amongst a collection of multiple loci where presentation may  
24 be resumed;  
25       streaming a notification to the selected resumption locus.



1  
2       22. A multimedia server system which is configured to be  
3 communicatively coupled to one or more multimedia presentation systems, the  
4 server system comprising:

5       one or more multimedia-content receivers configured to receive  
6 multimedia programs;

7       one or more storage units configured to store multimedia programs;

8       a computing unit configured to:

- 9       • bookmark a point during a presentation of a multimedia program;
- 10       • associate one or more properties with the bookmark;
- 11       • store the bookmark in association with the multimedia program.
- 12

13       23. A server system as recited in claim 22 further comprising a user-  
14 interface control panel configured to receive user input action that triggers  
15 generation of a bookmark, such action is selected from a group consisting of:

- 16       • selection of another source of multimedia content;
- 17       • viewing a list of other sources of multimedia content;
- 18       • manually pressing “pause key”;
- 19       • manually pressing “bookmark” key; and
- 20       • manually pressing another pre-defined key, or choosing a pre-defined  
21 option.
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2       **24.**   A server system as recited in claim 22, wherein the properties  
3 associated with the bookmark are selected from a group consisting of:

- 4       • locus of system where the presentation was bookmarked;
- 5       • identity of user who manually bookmarked the presentation;
- 6       • chronological time of the bookmark generating;
- 7       • chronological date of the bookmark generating;
- 8       • relative time during the presentation where the presentation was  
9       bookmarked.

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11       **25.**   A server system as recited in claim 22, wherein the one or more  
12 multimedia-content receivers are further configured to receive the multimedia  
13 program as part of a broadcast media transmission.

14  
15       **26.**   A server system as recited in claim 22, wherein the one or more  
16 multimedia-content receivers are further configured to receive the multimedia  
17 program as part of a broadcast media transmission, wherein the broadcast media  
18 transmission is selected from a group consisting of incoming live television  
19 broadcast, incoming live cable television signal, incoming live satellite signal,  
20 incoming live video-on-demand signal, and incoming live pay-per-view signal.

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2       **27.** A processor-readable medium having processor-executable  
3 instructions that, when executed by a processor, performs a method comprising:  
4       presenting a user interface (UI) on a multimedia presentation system;  
5       receiving a manual user interaction based upon the UI that indicates that the  
6 user selects a bookmarked multimedia program for resumption of presentation  
7 from the point of the bookmark;  
8       requesting that a communicatively coupled multimedia server stream to the  
9 system the selected bookmarked multimedia program from the point of the  
10 bookmark;  
11       presenting the selected bookmarked multimedia program from the point of  
12 the bookmark.

13  
14       **28.** A medium as recited in claim 27, wherein the UI comprises a listing  
15 of some or all of the bookmarks associated with a particular multimedia program,  
16 and the manual user interaction comprises a manual selection of one of the listed  
17 programs.

18  
19       **29.** A medium as recited in claim 27, wherein the UI comprises a listing  
20 of some or all of the bookmarks associated with a particular multimedia program  
21 and, wherein, the bookmarks are listed based upon one or more properties  
22 associated therewith.  
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1           30.    A medium as recited in claim 27, wherein the UI comprises a listing  
2 of some or all of the bookmarks associated with a particular multimedia program  
3 and, wherein, the bookmarks are listed based upon one or more properties  
4 associated therewith; the properties are selected from a group consisting of:

- 5           • identity of the multimedia content;
- 6           • relative point of bookmark during the presentation;
- 7           • most recently bookmarked multimedia programs;
- 8           • category of multimedia content bookmarked;
- 9           • locus of system where the presentation was bookmarked;
- 10          • identity of user who manually bookmarked the presentation;
- 11          • chronological time of the bookmark generating;
- 12          • chronological date of the bookmark generating;
- 13          • relative time during the presentation where the presentation was  
14 bookmarked.

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16           31.    A medium as recited in claim 27, wherein the UI graphically  
17 illustrates one or more of the following:

- 18          • identity of one or more bookmarked multimedia program;
  - 19          • relative point of bookmark during presentation of one or more  
20 bookmarked multimedia programs;
  - 21          • most recently bookmarked multimedia programs;
  - 22          • category of one or more bookmarked multimedia programs;
- 23  
24  
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1 locus of system where one or more bookmarked multimedia  
2 programs were bookmarked;

3 identity of user who manually bookmarked one or more bookmarked  
4 multimedia programs;

5 • chronological time of that one or more bookmarked multimedia  
6 programs were bookmarked;

7 • chronological date of that one or more bookmarked multimedia  
8 programs were bookmarked;

9 • relative time of that one or more bookmarked multimedia programs  
10 were bookmarked;

11 • graphical depiction of relative time of that one or more bookmarked  
12 multimedia programs were bookmarked.

13  
14 **32.** A medium as recited in claim 27, wherein the UI comprises a listing  
15 of some or all broadcast media programs that have one or more bookmarks.

16  
17 **33.** A medium as recited in claim 27, wherein the UI comprises a listing  
18 of broadcast media programs available with indicative indicia corresponding with  
19 broadcast media programs that have one or more bookmarks.

20  
21 **34.** A medium as recited in claim 27, wherein the UI comprises a grid  
22 listing of broadcast media programs available with indicative indicia  
23 corresponding with broadcast media programs that have one or more bookmarks.

1           **35.**    A medium as recited in claim 27, wherein the UI comprises a listing  
2 of broadcast media programs available with indicative indicia corresponding with  
3 broadcast media programs that have one or more bookmarks, wherein the  
4 appearances of the indicia vary to indicate differences in one or more properties  
5 associated with bookmarked broadcast media programs.

6  
7           **36.**    A computing device comprising:  
8           a multimedia presentation unit;  
9           a medium as recited in claim 27.

1           37. A processor-readable medium having processor-executable  
2 instructions that, when executed by a processor, performs a method comprising:  
3           a means for presenting a user interface (UI) on a multimedia presentation  
4 system;  
5           a means for receiving a manual user interaction based upon the UI that  
6 indicates that the user selects a bookmarked multimedia program for resumption  
7 of presentation from the point of the bookmark;  
8           a means for requesting that a communicatively coupled multimedia server  
9 stream to the system the selected bookmarked multimedia program from the point  
10 of the bookmark;  
11           a means for presenting the selected bookmarked multimedia program from  
12 the point of the bookmark.

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2       **38.**    A method comprising:  
3       presenting a user interface (UI) on a multimedia presentation system;  
4       receiving a user interaction based upon the UI that indicates that the user  
5       selects a bookmarked multimedia program for resumption of presentation from the  
6       point of the bookmark;  
7       requesting for a communicatively coupled multimedia server to stream to  
8       the system the selected bookmarked multimedia program from the point of the  
9       bookmark;  
10      presenting the selected bookmarked multimedia program from the point of  
11      the bookmark.

12  
13      **39.**    A method as recited in claim 38, wherein the UI comprises a listing  
14      of some or all of the bookmarks associated with a particular multimedia program  
15      and the user interaction comprises a manual selection of one of the listed  
16      programs.

17  
18      **40.**    A method as recited in claim 38, wherein the UI comprises a listing  
19      of some or all of the bookmarks associated with a particular multimedia program,  
20      and, wherein, the bookmarks are listed based upon one or more properties  
21      associated therewith.



1           **41.**    A method as recited in claim 38, wherein the UI comprises a listing  
2 of some or all of the bookmarks associated with a particular multimedia program,  
3 and, wherein, the bookmarks are listed based upon one or more properties  
4 associated therewith; the properties are selected from a group consisting of:

- 5           • identity of the multimedia content;
- 6           • relative point of bookmark during the presentation;
- 7           • most recently bookmarked multimedia programs;
- 8           • category of multimedia content bookmarked;
- 9           • locus of system where the presentation was bookmarked;
- 10          • identity of user who manually bookmarked the presentation;
- 11          • chronological time of the bookmark generating;
- 12          • chronological date of the bookmark generating;
- 13          • relative time during the presentation where the presentation was  
14            bookmarked.

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16           **42.**    A method as recited in claim 38, wherein the UI comprises a grid  
17 listing of broadcast media programs available with indicative indicia  
18 corresponding with broadcast media programs that have one or more bookmarks.

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20           **43.**    A method as recited in claim 38, wherein the UI comprises a listing  
21 of broadcast media programs available with indicative indicia corresponding with  
22 broadcast media programs that have one or more bookmarks, wherein the  
23 appearances of the indicia may be varied to indicate differences in one or more  
24 properties associated with bookmarked broadcast media programs.  
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2       **44.** A multimedia presentation system which is configured to be  
3 communicatively coupled to at least one multimedia server, the presentation  
4 system comprising:

5           a multimedia rendering unit configured to present multimedia content and  
6 one or more user interfaces (UIs); and

7           a computing unit configured to communicate with a multimedia server over  
8 the network and further configured to generate a UI for presentation on the  
9 presentation device.  
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11       **45.** A presentation system as recited in claim 44 further comprising a  
12 user-interface control panel configured to receive user input action that triggers  
13 generation of a bookmark; such action is selected from a group consisting of

- 14           • selection of another source of multimedia content;  
15           • viewing a list of other sources of multimedia content;  
16           • manually pressing “pause” key;  
17           • manually pressing “bookmark” key; and  
18           • manually pressing another pre-defined key or choosing a pre-defined  
19 option.  
20

21       **46.** A presentation system as recited in claim 44, wherein the properties  
22 associated with the bookmark are selected from a group consisting of:

- 23           • identity of the multimedia content;  
24           relative point of bookmark during the presentation;  
25           most recently bookmarked multimedia programs;

1 category of multimedia content bookmarked;

2 locus of system where the presentation was bookmarked;

3 identity of user who manually bookmarked the presentation;

- 4 • chronological time of the bookmark generating;
- 5 • chronological date of the bookmark generating;
- 6 • relative time during the presentation where the presentation was
- 7 bookmarked.

1           47. A processor-readable medium having processor-executable  
2 instructions that, when executed by a processor, performs a method comprising:

3           presenting a user interface (UI) on a multimedia presentation system at a  
4 resume location ("resume-locus system") that allows a user to select when to  
5 resume presentation of a multimedia program from a point of a bookmark that  
6 occurred at another location within a network of communicatively coupled  
7 multimedia presentation systems;

8           receiving a manual user interaction that indicates that the user would like to  
9 resume;

10          requesting that a communicatively coupled multimedia server stream, to the  
11 resume-locus system, the selected bookmarked multimedia program from the point  
12 of the bookmark;

13          presenting the selected bookmarked multimedia program from the point of  
14 the bookmark and doing so at the resume-locus system.

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17          48. A computing device comprising:  
18 a multimedia presentation unit;  
19 a medium as recited in claim 47.  
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1           **49.** A processor-readable medium having processor-executable  
2 instructions that, when executed by a processor, produces a user interface (UI) of  
3 multimedia presentation system, the UI comprising:

4           a first display area listing bookmarks, each one being associated with one  
5 or more multimedia programs;

6           an executable process, that is configured to stream a request for a  
7 multimedia program when its associated listing is selected; this request is sent to a  
8 communicatively coupled multimedia server and asks the server to stream the  
9 multimedia program associated with the bookmark of the selected listing from the  
10 point of that bookmark.

11  
12           **50.** A medium as recited in claim 49, the UI further comprising a second  
13 display area indicating a particular multimedia program associated with all of the  
14 bookmarks listed in the first area.

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16           **51.** A medium as recited in claim 49, wherein the bookmarks are listed  
17 in the first display area, based upon one or more properties associated therewith.

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19           **52.** A medium as recited in claim 49, wherein the bookmarks are listed  
20 in the first display area, based upon one or more properties associated therewith;  
21 the properties are selected from a group consisting of:

- 22           • identity of the multimedia content;
- 23           • relative point of bookmark during the presentation;
- 24           most recently bookmarked multimedia programs;
- 25           category of multimedia content bookmarked;

1 locus of system where the presentation was bookmarked;

- 2 • identity of user who manually bookmarked the presentation;
- 3 • chronological time of the bookmark generating;
- 4 • chronological date of the bookmark generating;
- 5 • relative time during the presentation where the presentation was
- 6 bookmarked.

1           **53.** A processor-readable medium having processor-executable  
2 instructions that, when executed by a processor, produces a user interface (UI) of  
3 multimedia presentation system, the UI comprising:

4           a first display area listing multimedia programs having at least one  
5 bookmark associated therewith;

6           an executable process that is configured to stream a request for a  
7 multimedia program when its associated listing is selected; this request is sent to a  
8 communicatively coupled multimedia server and asks the server to stream the  
9 multimedia program associated with the selected listing from the point of a  
10 bookmark associated therewith.

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12           **54.** A medium as recited in claim 53, wherein programs listed in the first  
13 area are part of broadcast media transmissions.”

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15           **55.** A medium as recited in claim 53, wherein the bookmarks of the  
16 programs listed in the first display area are chosen to be listed based upon one or  
17 more properties associated with the bookmarks or the programs.

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19           **56.** A medium as recited in claim 53, wherein the bookmarks of the  
20 programs listed in the first display area are chosen to be listed based upon one or  
21 more properties associated with the bookmarks or the programs; the properties are  
22 selected from a group consisting of:

- 23           • identity of the multimedia content;  
24           • relative point of bookmark during the presentation;  
25           • most recently bookmarked multimedia programs;

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- category of multimedia content bookmarked;  
locus of system where the presentation was bookmarked;
- identity of user who manually bookmarked the presentation;
- chronological time of the bookmark generating;
- chronological date of the bookmark generating;
- relative time during the presentation where the presentation was bookmarked.



1           **57.** A processor-readable medium having processor-executable  
2 instructions that, when executed by a processor, produces a user interface (UI) of a  
3 multimedia presentation system, the UI comprising:

4           a first display area listing broadcast multimedia programs, wherein such  
5 listing includes one or more broadcast media programs that are bookmarked;

6           an executable process associated with the listing of each program that is  
7 configured to stream a request when its associated listing is selected ; this request  
8 is sent to a communicatively coupled multimedia server and asks the server to  
9 stream the multimedia program associated with the selected listing from the point  
10 of a bookmark associated therewith.

11  
12           **58.** A medium as recited in claim 57, wherein a listing of broadcast  
13 multimedia programs in the first area is in a grid-like pattern based upon  
14 presentation schedule of such broadcast multimedia programs.

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16           **59.** A medium as recited in claim 57, wherein the bookmarks of the  
17 programs listed in the first display area are chosen to be listed based upon one or  
18 more properties associated with the bookmarks or the programs.

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20           **60.** A medium as recited in claim 57, wherein the bookmarks of the  
21 programs listed in the first display area are chosen to be listed based upon one or  
22 more properties associated with the bookmarks or the programs; the properties are  
23 selected from a group consisting of:

- 24           • identity of the multimedia content;  
25           • relative point of bookmark during the presentation;

- most recently bookmarked multimedia programs;
- category of multimedia content bookmarked;
- locus of system where the presentation was bookmarked;
- identity of user who manually bookmarked the presentation;
- chronological time of the bookmark generating;
- chronological date of the bookmark generating;
- relative time during the presentation where the presentation was bookmarked.

61. A medium as recited in claim 57, wherein broadcast multimedia programs are received via one or more broadcast media transmissions which are selected from a group consisting of incoming live television broadcast, incoming live cable television signal, incoming live satellite signal, incoming live video-on-demand signal, and incoming live pay-per-view signal.

1           62. A “bookmarked” multimedia program, which is a multimedia  
2 program having one or more bookmarks associated with it, where such bookmarks  
3 are indicative of a resumption point for presentation of the program, generated in  
4 accordance with the following acts:

5           providing a server computer in a communications with a communications  
6 network;

7           receiving input from a client computer by way of the communications  
8 network, the input providing a parameter indicative of a request for a  
9 “bookmarked” multimedia program and of one or more bookmarks;

10          retrieving a selected data from a database, wherein the data is selected  
11 based upon the parameter provided by the user input; and

12          presenting the “bookmarked” multimedia program as a function of the  
13 selected data.  
14

15          63. A multimedia presentation system which is configured to be  
16 communicatively coupled to at least one multimedia server, the presentation  
17 system comprising:

18          a multimedia rendering unit configured to present multimedia content and  
19 one or more user interfaces (UIs); and

20          a computing unit configured to communicate with a multimedia server over  
21 the network and further configured to generate a UI for presentation on the  
22 presentation device,

23          wherein the a UI graphically illustrates one or more of the following:

24                  identity of one or more bookmarked multimedia program;  
25

relative point of bookmark during presentation of one or more  
bookmarked multimedia programs;

most recently bookmarked multimedia programs;

- category of one or more bookmarked multimedia programs;
- locus of system where one or more bookmarked multimedia programs were bookmarked;
- identity of user who manually bookmarked one or more bookmarked multimedia programs;
- chronological time of that one or more bookmarked multimedia programs were bookmarked;
- chronological date of that one or more bookmarked multimedia programs were bookmarked;
- relative time of that one or more bookmarked multimedia programs were bookmarked;
- graphical depiction of relative time of that one or more bookmarked multimedia programs were bookmarked.